

CVEN 1317: Introduction to Civil Engineering -- Homework 1 [25 pts total]

On a separate sheet, answer the following based on class web notes or links (<http://ceae.colorado.edu/~silverst/cven1317/>). Your assignment should be typed/printed (1 point for format) and is due in class **September 4**.

1. In 2-4 sentences, define **Civil Engineering** in your own words. (Based on your definition, your parents or friends should be able to understand what Civil Engineering is and what civil engineers do): [6 pts]
2. **List** 6 major sub-disciplines in Civil Engineering [3 pts]
3. Select **ONE of the sub-disciplines** that interests you. [8 pts total]
 - a. Describe the fundamental sciences that are particularly important to this sub-discipline [2 pts],
 - b. the type of work done by engineers focused on the topic [2 pts],
 - c. **ONE** current project that you found in the news that would involve a civil engineer involved in the sub-discipline that you selected (include the reference for this, such as a web-site URL – 2 pts).
 - d. State how a civil engineer would be involved in the project [2 pts]
4. List 5 of the most important skills and abilities required to be a successful engineer, based on ASCE, employer surveys, and ABET accreditation information [5 pts]
5. What are four major types of employers of civil engineers (not names of companies)? [2 pts]

Time spent on this assignment: _____ min